



Viral Vectors & Vaccines
Chaired By:
Otto-Wilhelm Merten, PhD
Miltenyi Biotec Inc.
Nathalie A. Clément, PhD
Unicorn Consultations, LLC
J. Fraser Wright, PhD
Stanford University

Cellular Therapies
Chaired By:
Martin A. Giedlin, PhD
Senti Biosciences
María Mercedes Segura, PhD
ElevateBio

Baculovirus Expression Technology
Chaired By:
Dominic Esposito, PhD
Frederick National Laboratory for Cancer Research
António M. Roldão, PhD
Instituto de Biologia Experimental e Tecnológica (iBET)

SUNDAY • MARCH 19, 2023

4:00 pm – 7:00 pm

Welcome Reception and Registration in the Foyer, Fourth Floor

MONDAY • MARCH 20, 2023

7:00 am – 8:00 am

Registration and Breakfast in the Foyer, Fourth Floor

8:00 am – 8:30 am

Meeting Overview in Salon A/B/C, Fourth Floor

8:30 am – 9:10 am

Viral Vectors & Vaccines Salon A/B/C, Fourth Floor	Cellular Therapies Paul D. Fraim Center for Excellence, Fourth Floor	Baculovirus Expression Technology Salon G/H, Fourth Floor
<i>Building a Flexible Platform for the Manufacture of AAV Drug Substance</i> Nicholas DiGioia Alexion Pharmaceuticals, Inc.	<i>T-cell Engineering</i> Kenk Sumen, PhD MaxCyte Inc.	Marc G. Aucoin, PhD University of Waterloo

9:10 am – 9:20 am

Water Break

All of the presentations and events shown in the program are included with your registration fee.
Times are Eastern Daylight Time (EDT). Eastern Standard Time (EST) switches to EDT on Sunday, March 12th.

	Viral Vectors & Vaccines Salon A/B/C, Fourth Floor	Cellular Therapies Paul D. Fraim Center for Excellence, Fourth Floor	Baculovirus Expression Technology Salon G/H, Fourth Floor
9:20 am – 10:00 am	<i>Stabilization of Biologic Drugs Within a Film Matrix</i> Maria A. Croyle, PhD University of Texas at Austin	<i>Analytical Strategies for Cell-Based Gene Therapies with Parvoviral Vector Gene Delivery</i> Gillian Payne, PhD Carbon Biosciences	<i>Subunit Vaccines</i> Robin Levis, PhD FDA CBER
10:00 am – 10:30 am	Morning Break in the Exhibit Hall		
10:30 am – 11:00 am	Technology Workshop Salon A/B/C, Fourth Floor Gyros US Inc.	Technology Workshop Paul D. Fraim Center for Excellence, Fourth Floor NextNet Inc. <i>Sapiens: A Novel Platform to Accelerate Search into Real Discovery</i>	Technology Workshop Salon G/H, Fourth Floor Expression Systems, LLC, An ANGUS company
11:00 am – 11:30 am	Technology Workshop Salon A/B/C, Fourth Floor Teknova	Technology Workshop Paul D. Fraim Center for Excellence, Fourth Floor Charles River	Technology Workshop Salon G/H, Fourth Floor Pending
11:30 am – 12:00 noon	Technology Workshop Salon A/B/C, Fourth Floor GenScript ProBio	Technology Workshop Paul D. Fraim Center for Excellence, Fourth Floor QbDVision, Inc. <i>Digital Strategies for Biotech Product Development and Lifecycle Management</i>	Technology Workshop Salon G/H, Fourth Floor Lonza Inc.
12:00 noon – 1:30 pm	Lunch in the Exhibit Hall • (Poster Session from 1:00 – 1:30 pm)		
	Viral Vectors & Vaccines Salon A/B/C, Fourth Floor	Cellular Therapies Paul D. Fraim Center for Excellence, Fourth Floor	Baculovirus Expression Technology Salon G/H, Fourth Floor
1:30 pm – 2:10 pm	<i>CFD Modeling of Plasmid/Cationic Polymer Complexation to Develop a Scalable Triple-Transient Transfection Process</i> Oliver Meade Resilience	<i>Assays for Cell Therapy Products and Raw Material Qualification</i> Benjamin A. Clarke, PhD US Pharmacopeial Convention (USP)	Bas van de Waterbeemd PhD uniQure N.V.
2:10 pm – 2:20 pm	Water Break		
2:20 pm – 3:00 pm	<i>Progress and Challenges in Manufacturing of Lentiviral Vectors</i> Vladimir A. Slepushkin, MD, PhD MedTherapy Biotechnology Incorporated	<i>Relational Risk Analysis for Managing Contamination Risks</i> Mark F. Witcher, PhD Exyte	<i>The Ups and Downs of Baculovirus Very Late (Polyhedrin and p10) Gene Promoters</i> Robert D. Possee, PhD Oxford Expression Technologies
3:00 pm – 3:30 pm	Afternoon Break in the Exhibit Hall		
3:30 pm – 4:10 pm	<i>Exosomes</i> Johannes Grillari, PhD LBG Ludwig Boltzmann Institute for Traumatology, The Research Center in Cooperation with AUVA (LBI)	<i>Characterization of Autologous Engineered Tregs for Early Stage Clinical Trials</i> Stephen Sofen, PhD Abata Therapeutics	Nikolai Khramtsov, PhD Protein Sciences Corporation, A Sanofi Company

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4:10 pm – 4:20 pm

Water Break

Viral Vectors & Vaccines Salon A/B/C, Fourth Floor	Cellular Therapies Paul D. Fraim Center for Excellence, Fourth Floor	Baculovirus Expression Technology Salon G/H, Fourth Floor
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4:20 pm – 5:00 pm

<i>Rapid Optimisations for Cell and Gene Therapy Applications</i> R. André Raposo, PhD Oxford BioMedica plc	<i>Quality Requirements and Terminology of Cellular Collections</i> Zachry R. Vavra Versiti Inc.	<i>Single-cell and Bulk Transcriptomics of Insect Cells During Production of AAV and Influenza HA-VLPs</i> Antônio M. M. Roldão, PhD Instituto de Biologia Experimental e Tecnológica (iBET)
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6:00 pm – 8:00 pm

Reception in the Exhibit Hall

TUESDAY • MARCH 21, 2023

7:30 am – 8:30 am

Breakfast in the Exhibit Hall

Viral Vectors & Vaccines Salon A/B/C, Fourth Floor	Cellular Therapies Paul D. Fraim Center for Excellence, Fourth Floor	Baculovirus Expression Technology Salon G/H, Fourth Floor
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8:30 am – 9:10 am

<i>An Expertise Core Facility for Multimodal Characterization of Extracellular Vesicles for Therapeutic and Diagnostic Purposes</i> Lise Abiven, PhD IVETH Expertise Facility	<i>Non-Viral Gene Engineering of Cellular Therapies</i> David L. Hermanson, PhD Bio-Techne	Brooks Hayes, PhD Expression Systems, LLC, An ANGUS company
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9:10 am – 9:20 am

Water Break

9:20 am – 10:00 am

<i>Continuous Production Of Retroviral Vectors In High Cell Density Culture</i> Marc Hein, PhD Max Planck Institute for Dynamics of Complex Technical Systems	<i>Adventitious Agent Control in the Manufacture of Cell and Gene Therapy Products</i> Hazel Aranha, PhD GAEA Resources Inc.	<i>Baculovirus Expression Technology for the Production of Virus-Like Particles as Vaccine Candidates</i> Nico Lingg, PhD Austrian Centre of Industrial Biotechnology GmbH (ACIB)
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10:00 am – 10:30 am

Morning Break in the Exhibit Hall

10:30 am – 11:10 am

<i>An Inducible Stable, Helper Virus- and Transfection-Free AAV Manufacturing Platform</i> Nicole Faust, PhD Cevec Pharmaceuticals GmbH, now part of Cytiva	<i>Advancing the Manufacture of Human Pluripotent Stem Cell-based Products for Cardiac Regenerative Medicine</i> Maria Margarida de Carvalho Negrão Serra, PhD Instituto de Biologia Experimental e Tecnológica (iBET)	<i>Baculovirus Technology Produced SARS-CoV-2 Spike Protein Vaccine Induces Broad, High Affinity and Durable Protective Immunity</i> Gale E. Smith, PhD Novavax, Inc.
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11:10 am – 11:20 am

Water Break

11:20 am – 12:20 pm

Panel Discussion: Viral Vector Reference Materials			
Keith L. Carson, ChE, MBA (Moderator) ISBioTech			
<i>LVV Reference Material</i> Andrew E. Timmons, PhD FDA CBER	<i>Lentiviral Vector Production</i> Aziza Manceur, PhD National Research Council Canada (NRC)	<i>CMC Considerations for Adenoviral Vectors</i> Anurag Sharma, PhD FDA CBER	<i>Replication-Competent Lentivirus Testing</i> Jamie Almeida National Institute of Standards & Technology (NIST)

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Free Afternoon with Recommended Group Activities (included with your registration)

Lunch on your own!

12:20 pm – 6:00 pm

- Pedal Trolley through Historic Downtown Norfolk •
- Improv 101 Class •
- Admission to [Nauticus and the Battleship Wisconsin](#) with a **Guided Tour of the Hampton Roads Naval Museum** •
- Victory Rover Cruise of the Elizabeth River •

See the registration desk to sign up for activities (first come, first served)!

6:00 pm – 9:00 pm

Disco Dancing Banquet at the Pagoda & Oriental Garden

included with your registration

WEDNESDAY • MARCH 22, 2023

7:30 am – 8:30 am

Breakfast in the Exhibit Hall

8:30 am – 9:00 am	Technology Workshop Salon A/B/C, Fourth Floor OXGENE, a WuXi Advanced Therapies company	Technology Workshop Paul D. Fraim Center for Excellence, Fourth Floor Thermo Fisher Scientific	Technology Workshop Salon G/H, Fourth Floor Pending
9:00 am – 9:30 am	Technology Workshop Salon A/B/C, Fourth Floor ElevateBio	Technology Workshop Paul D. Fraim Center for Excellence, Fourth Floor Thermo Fisher Scientific	Technology Workshop Salon G/H, Fourth Floor MilliporeSigma
9:30 am – 10:00 am	Technology Workshop Salon A/B/C, Fourth Floor Charles River	Technology Workshop Paul D. Fraim Center for Excellence, Fourth Floor CPSI Biotech <i>Improving Cell Recovery Following Cryopreservation: Incorporating Molecular and Device-Based Strategies</i>	Technology Workshop Salon G/H, Fourth Floor Pall Biotech

10:00 am – 10:30 am

Morning Break in the Exhibit Hall

	Viral Vectors & Vaccines Salon A/B/C, Fourth Floor	Cellular Therapies Paul D. Fraim Center for Excellence, Fourth Floor	Baculovirus Expression Technology Salon G/H, Fourth Floor
10:30 am – 11:10 am	<i>Viral Safety Testing Strategies for Advanced Therapy Medicinal Products</i> Horst Ruppach, PhD Charles River Laboratories	<i>Case Study: Impact of Manufacturing Process Changes on the In Vitro Function and In Vivo Efficacy of Gene-Modified CAR/TCR T-cells</i> Dawn Maier ElevateBio	Christopher Nguyen, PhD Voyager Therapeutics

11:10 am – 11:20 am

Water Break

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11:20 am – 12:00 noon	Speaker Pending	<i>Process Closure: The Impact on the Manufacturing Risk, Flexibility, and Facility Design for ATMPs</i> Jeffery N. Odum Genesis AEC	<i>Genomics Research on Baculovirus Infections in Fall Army Worm</i> Pramod Pantha, PhD Louisiana State University
12:00 noon – 1:30 pm	Lunch in the Exhibit Hall • (Poster Session from 1:00 – 1:30 pm)		
1:30 pm – 2:10 pm	<i>Using an Equivalence Approach to Establish Lot Release Limits for Vector Dose During Pre-Clinical Studies and Early Phase Clinical Trials</i> Nancy Sajjadi Sajjadi Consulting	<i>Driving Cell Therapy Innovation through End-to-End, Robotic Automation</i> John Tomtishen, III Cellares Inc.	<i>Protein Production Using Baculovirus</i> Andrea Partridge, PhD Merck & Co., Inc.
2:10 pm – 2:20 pm	Water Break		
2:20 pm – 3:00 pm	<i>Autonomous Parvovirus Vectors for Gene Therapy</i> Sebastian Aguirre, PhD Carbon Biosciences	<i>Transfection Optimization for Primary Cells with Electromechanical Transfection Technology</i> John Zhao Kytopen Corp	<i>Novel Technologies to Improve Insect Cell Production of Multiprotein Complexes</i> Dominic Esposito, PhD Frederick National Laboratory for Cancer Research (FNLCR)
3:00 pm – 3:30 pm	Afternoon Break in the Foyer, Fourth Floor		
3:30 pm – 4:30 pm	Poster Finalist Presentations and Awards in the Paul D. Fraim Center for Excellence		
4:30 pm	Meeting Adjourns		

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Due to circumstances beyond the control of meeting organizers, this program is subject to change without notice. REV 01/27/2023